

Patent Claims

1. A method for controlling and/or monitoring a terminal (PBX) connected to a communication system (D1...Dn) and having  
5 at least one function which can be controlled and/or monitored, wherein
- an application (APP) which is installed on a PC (PC) sent to a telephony server (TSP) a first message with the telephone number of a terminal (D1...Dn) to be controlled and/or to  
10 monitored by it,
  - the telephony server (TSP) transmits this telephone number to the communication system (PBX),
  - the communication system (PBX) transmits terminal information in a response, which terminal information  
15 describes which of the functions of the terminal (D1...Dn) associated with this telephone number can be controlled and/or monitored,
  - the telephony server (TSP) has a databank (DB) with data records which describe terminals (D1...Dn) that can be  
20 controlled and/or monitored, to which data record the telephone number and the information received from the communication system (PBX) for this terminal (D1...Dn) are added, and wherein the databank (DB) has at least one existing data record which can be added to and contains an  
25 identification number to which one of the terminals (D1...Dn) is assigned and which in this case has added to it the telephone number and the terminal information received from the communication system (PBX) for this terminal (D1...Dn),
  - 30 - the telephony server (TSP) then produces a new data record, which can be added to, with a further identification number, and wherein
  - the telephony server (TSP) transmits to the PC (PC) with the application (APP) from the data record that has to be added  
35 to the telephone number and the terminal information, so

that the terminal (D1...Dn) can be controlled and/or monitored by the PC (PC) with the application (APP).

2. The method as claimed in claim 1,

5 characterized

in that a communication terminal, a subscriber connection, an exchange connection, a cross-connect connection or some other connection which can be controlled and/or monitored in a communication system (PBX) is used for the terminal (D1...Dn) to be controlled.

3. The method as claimed in one of the preceding claims, characterized

15 in that a communication node in a packet-switching network is used as the communication system (PBX).

4. The method as claimed in one of the preceding claims, characterized

20 in that the telephony server (TSP) interchanges terminal information with two or more communication systems (PBX).

5. The method as claimed in one of the preceding claims, characterized

25 in that one terminal (D1...Dn) is controlled and/or monitored by two or more PCs (PC) with applications (APP).

6. The method as claimed in one of the preceding claims, characterized

30 in that the data record which has been added to is deleted when no PC (PC) with an application (APP) is controlling and/or monitoring the terminal (D1...Dn) which is associated with that data record.

7. The method as claimed in one of the preceding claims,

35 characterized in that the number of data records which can be added to in a telephony server (TSP) is always at least one.

8. The method as claimed in claim 7,  
characterized  
in that one, and only one, data record which can be added to is  
always available.

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9. An arrangement for controlling and/or monitoring a  
terminal (D1...Dn) having at least one function which can be  
controlled and/or monitored,

- 10 - having a communication system (PBX) to which the terminal  
(D1...Dn) is connected,
- having a telephony server (TSP) which is connected to the  
communication system (PBX) in order to interchange terminal  
information and has a databank (DB), and
- 15 - having a PC (PC) which is connected to the telephony server  
(TSP) and on which an application (APP) for controlling  
and/or monitoring is installed,

wherein

- 20 - the application (APP) is designed to transmit to a telephony  
server (TSP) a first message with the telephone number of a  
terminal (D1...Dn) which is to be controlled and/or  
monitored,
- the telephony server (TSP) has means for transmission of  
this telephone number to the communication system (PBX),
- 25 - the communication system (PBX) is designed such that it  
transmits terminal information in a response, which terminal  
information describes which functions of the terminal  
(D1...Dn) associated with this telephone number can be  
controlled and/or monitored,
- 30 - the databank (DB) has data records which describe terminals  
(D1...Dn) which can be controlled and/or monitored, which  
data records have the telephone number and the information  
received from the communication system (PBX) for this  
terminal (D1...Dn) added to them,
- 35 - the databank (DB) has at least one existing data record  
which can be added to, contains an identification number and  
to which one of the terminals (D1...Dn) is assigned, and

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which in this case has the telephone number and the terminal  
information received from the communication

system (PBX) for this terminal (D1...Dn) added to it,

- the telephony server (TSP) is designed such that, after the assignment process, it produces a new data record, which can be added to, with a further identification number, and

- 5 - the telephony server (TSP) is designed such that it transmits the telephone number and the terminal information from the data record that has been added to it to the PC (PC) with the application (APP), so that the terminal (D1...Dn) can be controlled and/or monitored by the PC (PC)  
10 with the application (APP).

10. The arrangement as claimed in claim 9,  
characterized

- 15 in that the terminal (D1...Dn) to be controlled is a communication terminal, a subscriber connection, an exchange connection, a cross-connect connection or some other connection of a communication system (PBX) which can be controlled and/or monitored.

- 20 11. The arrangement as claimed in one of claims 9 or 10, characterized  
in that the communication system (PBX) is a communication node in a packet-switching network.

- 25 12. The arrangement as claimed in one of claims 9 to 11, characterized  
in that the telephony server (TSP) has means for interchanging terminal information with two or more communication systems (PBX).

- 30 13. The arrangement as claimed in one of claims 9 to 12, characterized  
in that two or more PCs (PC) with application (APP) are provided for controlling and/or monitoring a terminal  
35 (D1...Dn).